PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: LUTZ FINK-1 (PCT)

PCT No.:   PCT/DE00/01934   FILED: JUNE 13, 2000

TITLE: SEMICONDUCTOR SENSOR, COMPRISING A PIXEL STRUCTURE
               AND THE USE OF SAID SENSOR IN A VACUUM SYSTEM

PRELIMINARY AMENDMENT

BOX PCT
U.S. Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Dear Sir:

Preliminary to Examination, please amend the above-identified application as follows:

IN THE SPECIFICATION

Page 1, after the title, please insert as follows:

--CROSS REFERENCE TO RELATED APPLICATIONS

Applicant claims priority under 35 U.S.C. §119 of German Application No. 199 27 694.3 filed June 17, 1999. Applicant also claims priority under 35 U.S.C. §120 of PCT/DE00/01934 filed June 13, 2000. The international application under PCT article 21(2) was not published in English.--

On page 3, line 3, please insert the following paragraph:

--From the US 3,902,095 an electron beam semiconductor intensifier with shielded diode junctions is known, which is designed as electron beam semiconductor tube, for example as transmitter amplifier, switching tube or as driving circuit for other high-voltage intensifier tubes, like for example traveling-wave power tubes for radar transmitters. The semiconductor is partially covered with a conductive coating, the shielding having openings above a segment of the diode junction. Here the electrons are to strike well-aimed, the screening preventing unwelcome electron bombardment in the periphery areas of the device (diode). By this unwelcome surface- and bulk charging effects are eliminated. Therefore the maximum reverse bias voltage is increased and hence the maximum possible output power of tubes employing such diodes is increased, too. The interconnection of a plurality of such diodes causes an increase of the intensifier's efficiency, the capacitance being reduced in proportion to the exposed surface. Nevertheless the semiconductor tube is neither designed nor suited for an image transmitting detection.--

IN THE CLAIMS

Please cancel original claims 1-10 and replace with new claims 11-20 as follows: